Pradip K Maurya

List of Publications by Year
in descending order

24	408	840776 11	752698 20
papers	citations	h-index	g-index

24	24	24	360
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	tTEM â€" A towed transient electromagnetic system for detailed 3D imaging of the top 70Âm of the subsurface. Geophysics, 2019, 84, E13-E22.	2.6	68
2	Large Scale Mapping of Fractures and Groundwater Pathways in Crystalline Hardrock By AEM. Scientific Reports, 2019, 9, 398.	3.3	52
3	Subsurface imaging of water electrical conductivity, hydraulic permeability and lithology at contaminated sites by induced polarization. Geophysical Journal International, 2018, 213, 770-785.	2.4	47
4	Electrical resistivity tomography and time-domain induced polarization field investigations of geothermal areas at Krafla, Iceland: comparison to borehole and laboratory frequency-domain electrical observations. Geophysical Journal International, 2019, 218, 1469-1489.	2.4	32
5	Field-scale comparison of frequency- and time-domain spectral induced polarization. Geophysical Journal International, 2018, 214, 1441-1466.	2.4	21
6	3D characterization of the subsurface redox architecture in complex geological settings. Science of the Total Environment, 2019, 693, 133583.	8.0	20
7	Characterizing the diverse hydrogeology underlying rivers and estuaries using new floating transient electromagnetic methodology. Science of the Total Environment, 2020, 740, 140074.	8.0	18
8	Machine learning based fast forward modelling of ground-based time-domain electromagnetic data. Journal of Applied Geophysics, 2021, 187, 104290.	2.1	18
9	Permeability Estimation Directly From Loggingâ€While‐Drilling Induced Polarization Data. Water Resources Research, 2018, 54, 2851-2870.	4.2	16
10	High resolution 3D subsurface mapping using a towed transient electromagnetic system â€•tTEM: case studies. Near Surface Geophysics, 2020, 18, 249-259.	1.2	16
11	Assessment of complex subsurface redox structures for sustainable development of agriculture and the environment. Environmental Research Letters, 2021, 16, 025007.	5.2	15
12	Geophysicsâ€Based Contaminant Mass Discharge Quantification Downgradient of a Landfill and a Former Pharmaceutical Factory. Water Resources Research, 2018, 54, 5436-5456.	4.2	12
13	A Neural Network-Based Hybrid Framework for Least-Squares Inversion of Transient Electromagnetic Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	12
14	Cross-borehole tomography with full-decay spectral time-domain induced polarization for mapping of potential contaminant flow-paths. Journal of Contaminant Hydrology, 2019, 226, 103523.	3.3	10
15	Effect of Data Pre-Processing on the Performance of Neural Networks for 1-D Transient Electromagnetic Forward Modeling. IEEE Access, 2021, 9, 34635-34646.	4.2	10
16	Two-dimensional inversion of wideband spectral data from the capacitively coupled resistivity method â€“ first applications in periglacial environments. Cryosphere, 2019, 13, 2439-2456.	3.9	8
17	Effect of current pulse duration in recovering quantitative induced polarization models from time-domain full-response and integral chargeability data. Geophysical Journal International, 2019, 218, 1739-1747.	2.4	7
18	Rapid Mapping of Hydrological Systems in Tanzania Using a Towed Transient Electromagnetic System. Ground Water, 2022, 60, 35-46.	1.3	7

#	Article	IF	Citations
19	tTEM20AAR: a benchmark geophysical data set for unconsolidated fluvioglacial sediments. Earth System Science Data, 2021, 13, 2743-2752.	9.9	5
20	Three-dimensional time lapse inversion of transient electromagnetic data, with application at an Icelandic geothermal site. Geophysical Journal International, 0, , .	2.4	5
21	Inversion of induced polarization-affected towed-transient electromagnetic data in a lateritic regolith geology: A case study from western Tanzania. Geophysics, 2022, 87, B247-B254.	2.6	3
22	Heterodox transients in time-domain-induced polarization. Geophysics, 2022, 87, E35-E47.	2.6	2
23	Integrating neural networks in least-squares inversion of airborne time-domain electromagnetic data. Geophysics, 2022, 87, E177-E187.	2.6	2
24	Technical note: Efficient imaging of hydrological units below lakes and fjords with a floating, transient electromagneticÂ(FloaTEM) system. Hydrology and Earth System Sciences, 2022, 26, 2813-2827.	4.9	2